



FIG. 1A

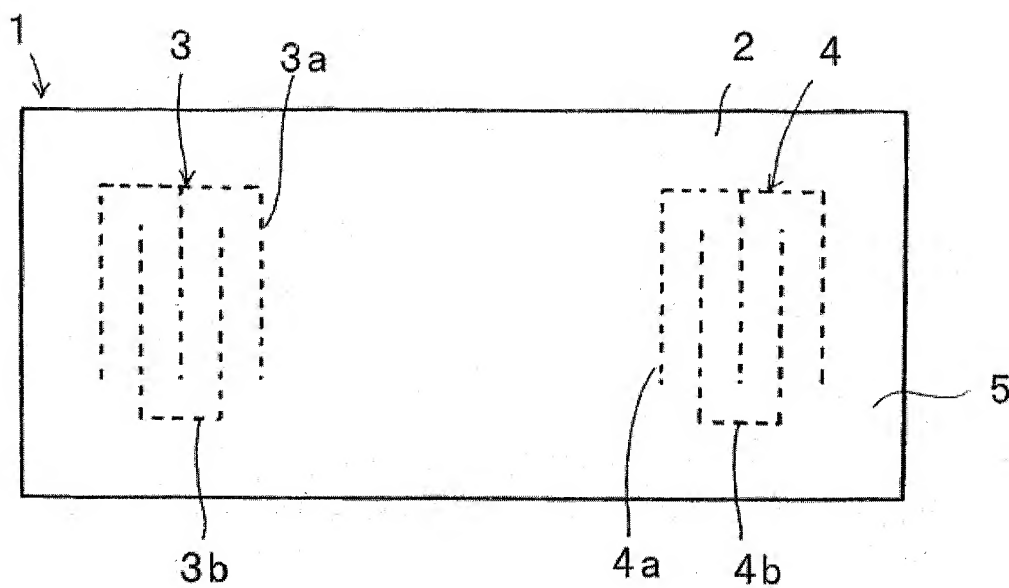


FIG. 1B

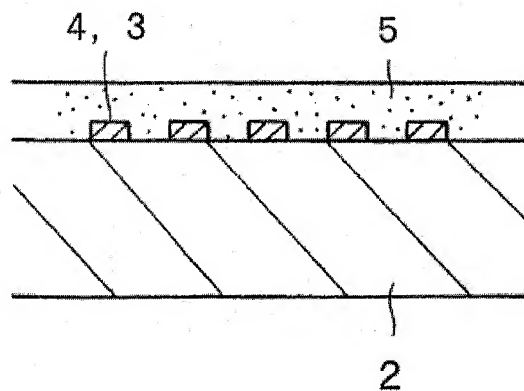


FIG. 2

Electromechanical coupling coefficient K^2 of Rayleigh wave when ZnO thin film with Euler angles $(0^\circ, 0^\circ, 0^\circ)$ is formed on quartz substrate with Euler angles $(0^\circ, 119.75^\circ, 35^\circ)$

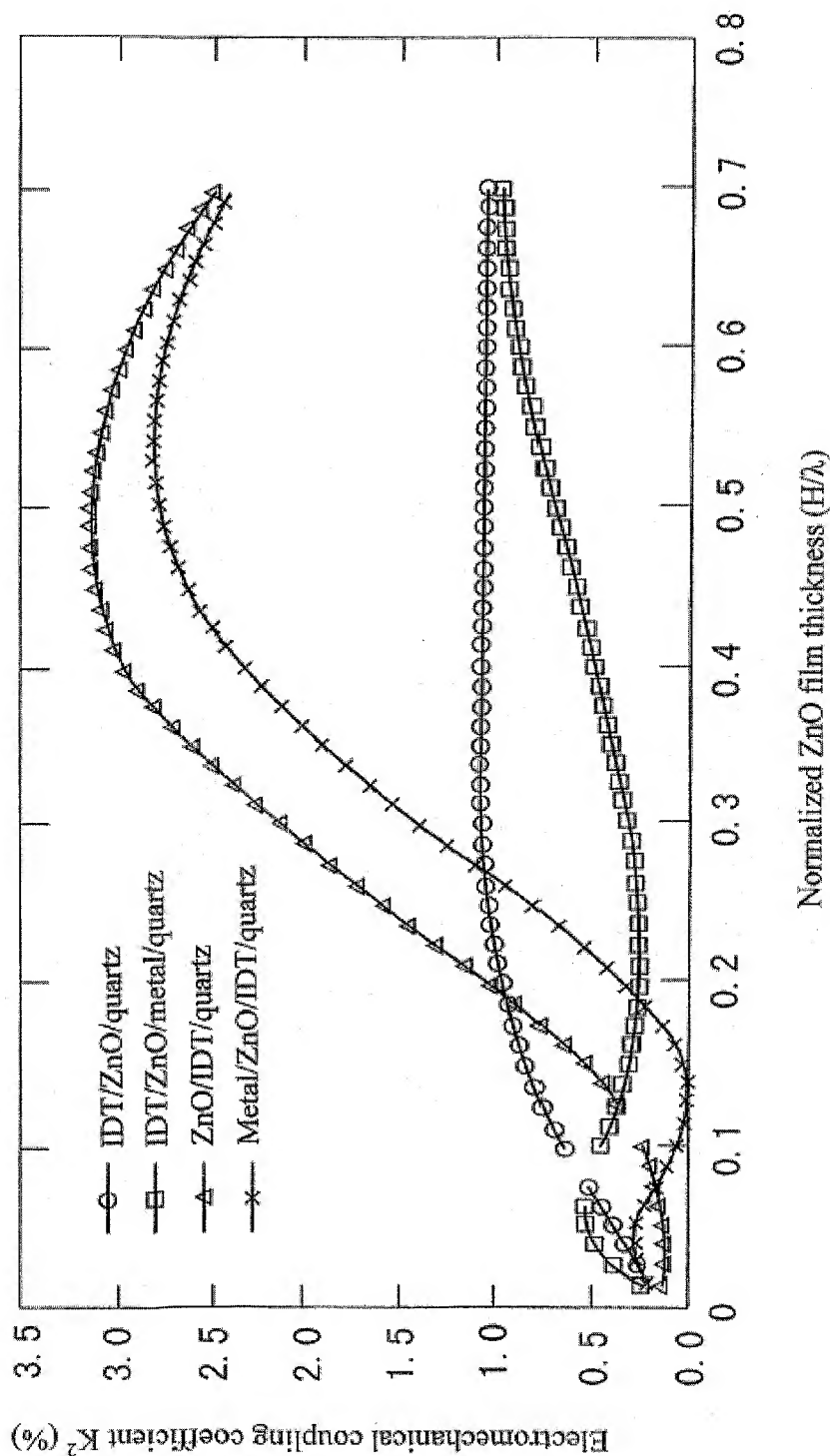


FIG. 3

Electromechanical coupling coefficient K^2 of Rayleigh wave when ZnO thin film with Euler angles $(0^\circ, 180^\circ, 0^\circ)$ is formed on quartz substrate with Euler angles $(0^\circ, 119.75^\circ, 35^\circ)$

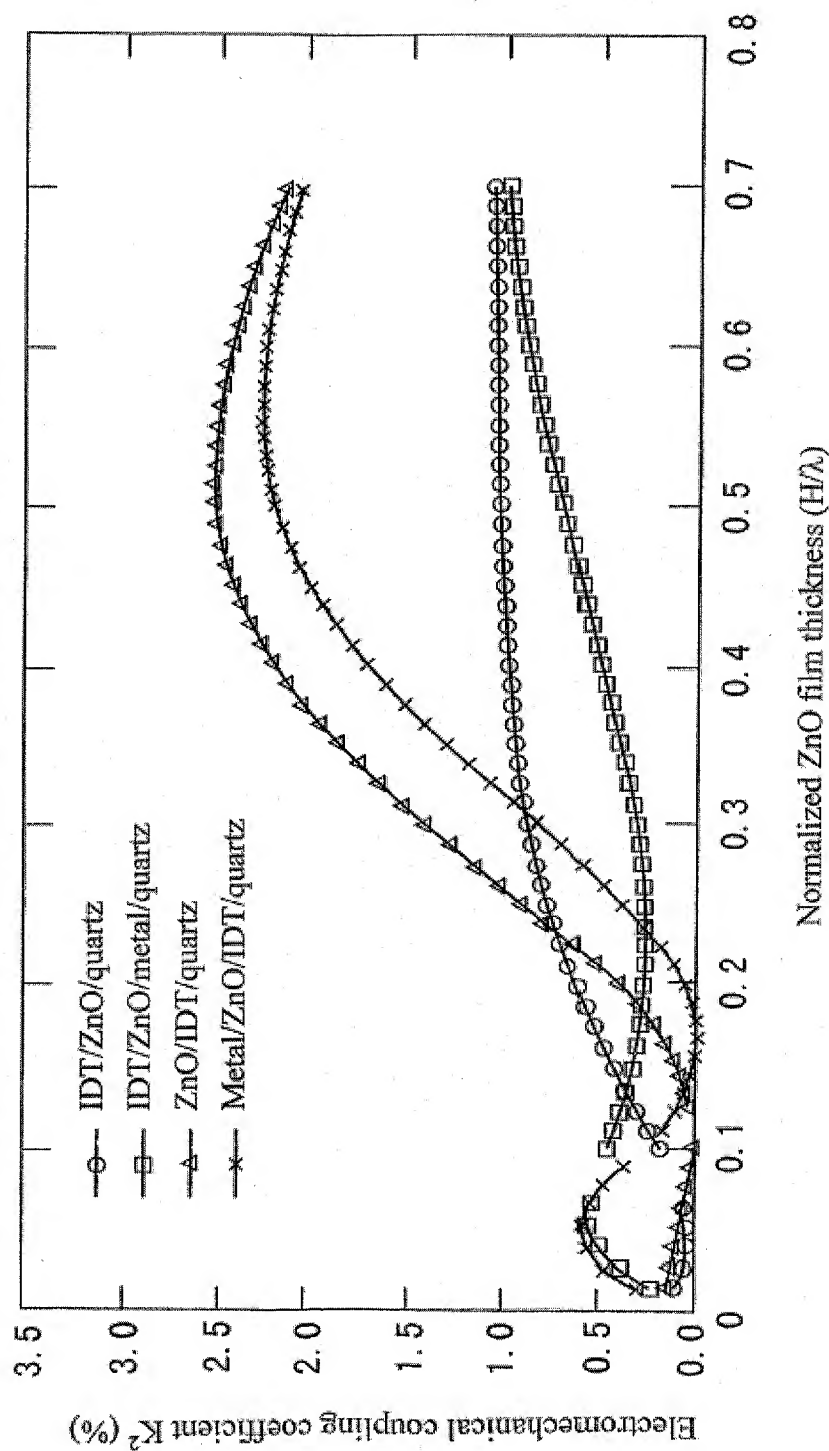


FIG. 4

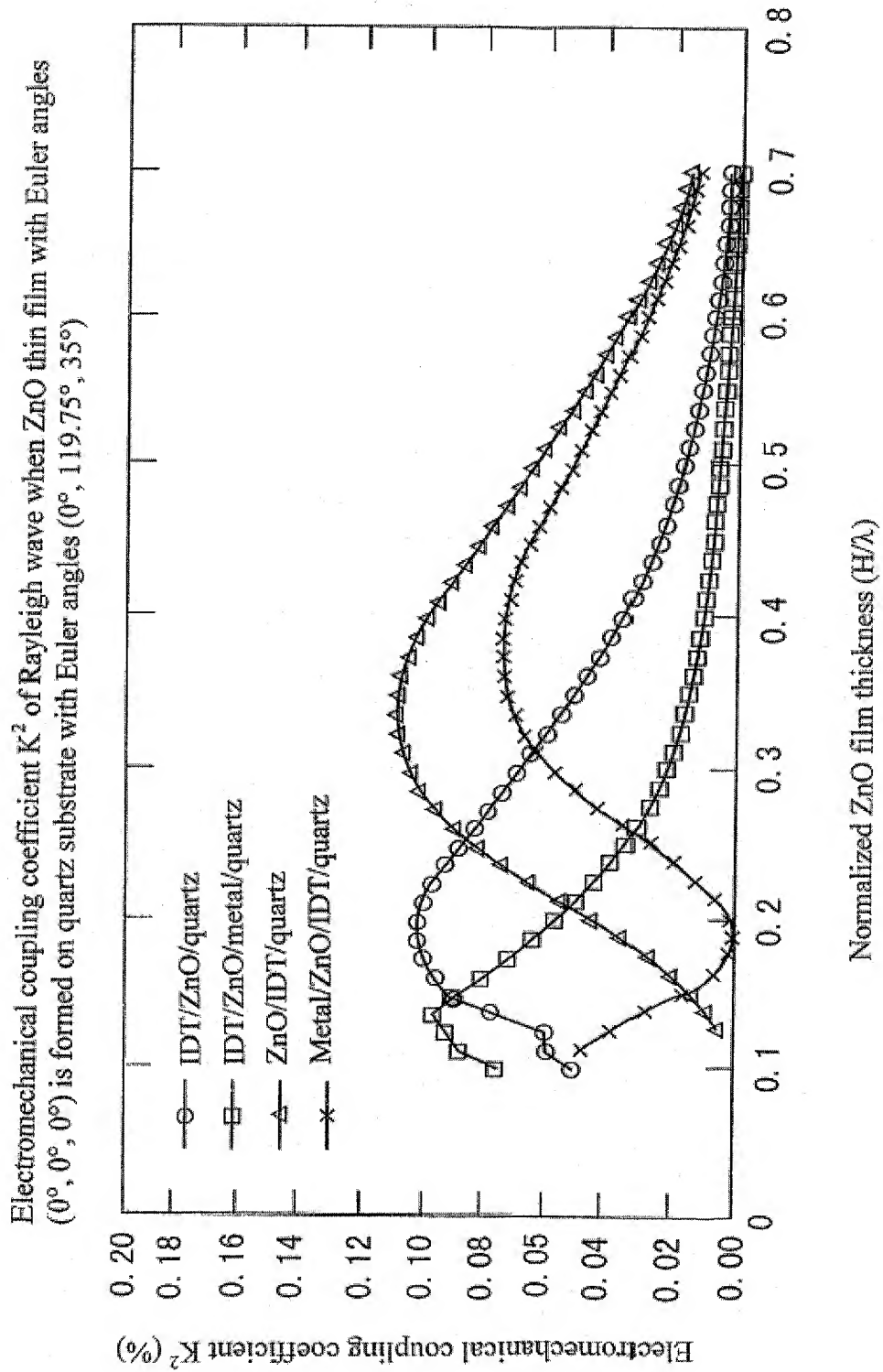


FIG. 5

Electromechanical coupling coefficient K^2 of Rayleigh wave when ZnO thin film with Euler angles ($0^\circ, 180^\circ, 0^\circ$) is formed on quartz substrate with Euler angles ($0^\circ, 119.75^\circ, 35^\circ$)

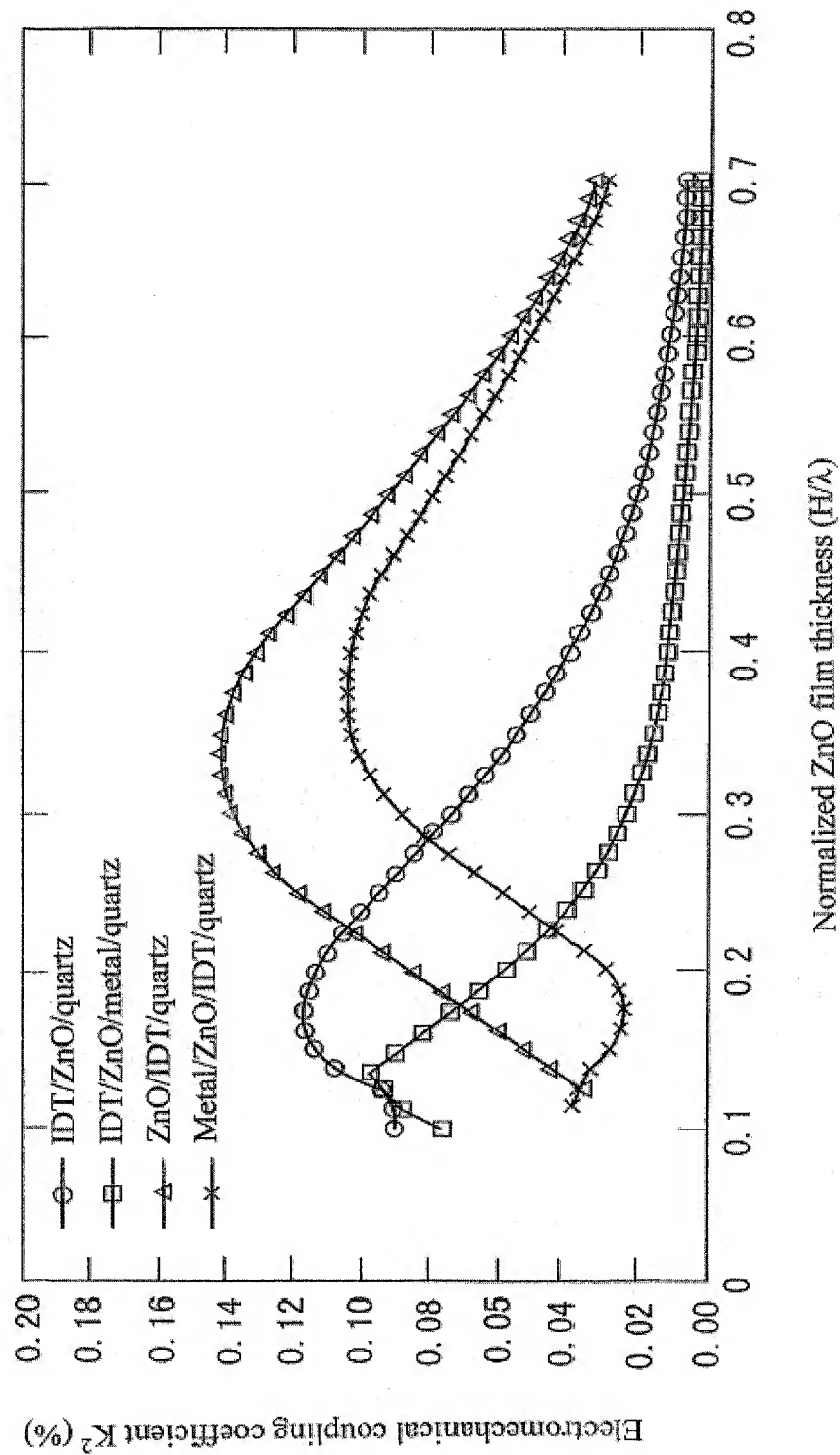


FIG. 6

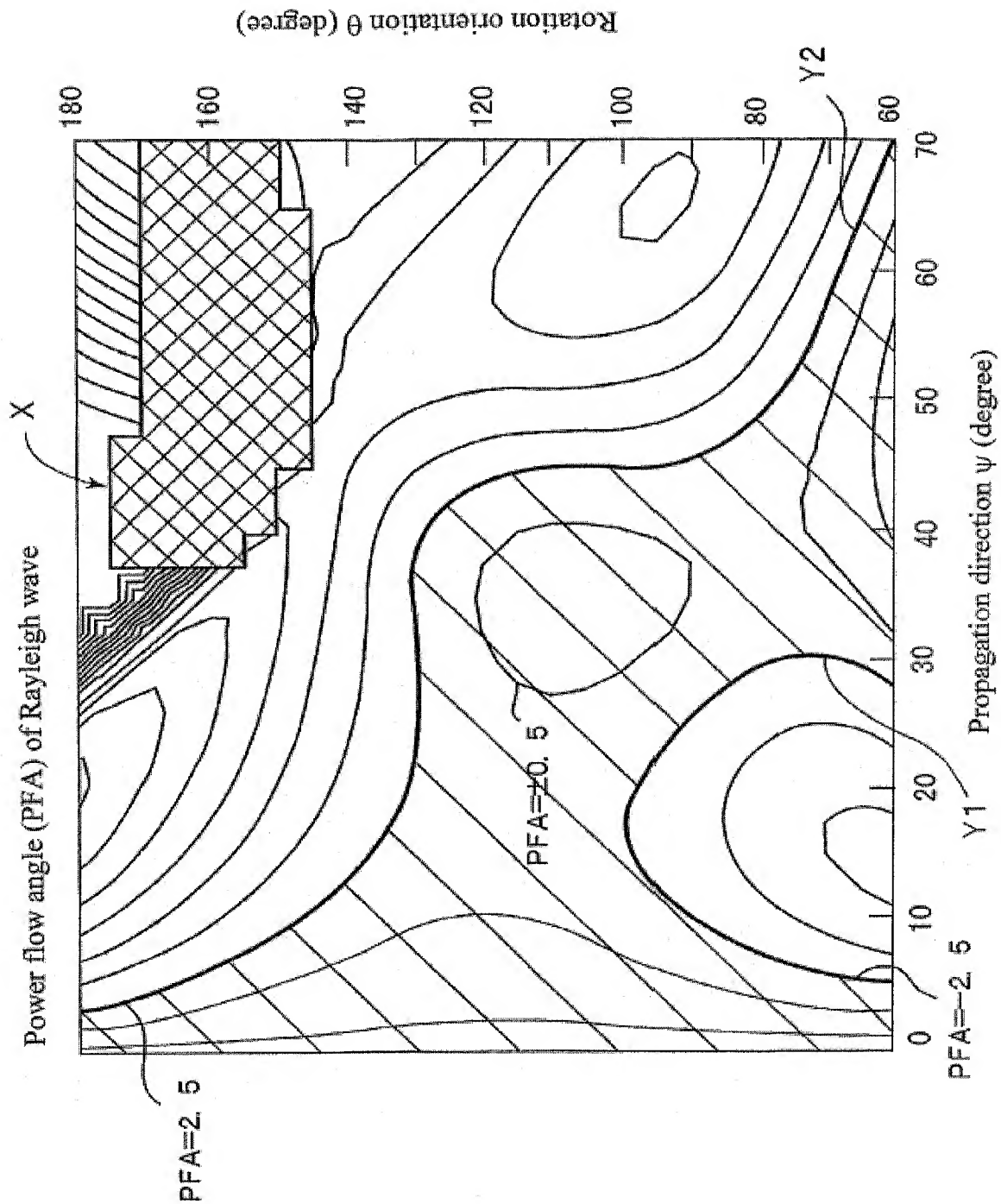


FIG. 7

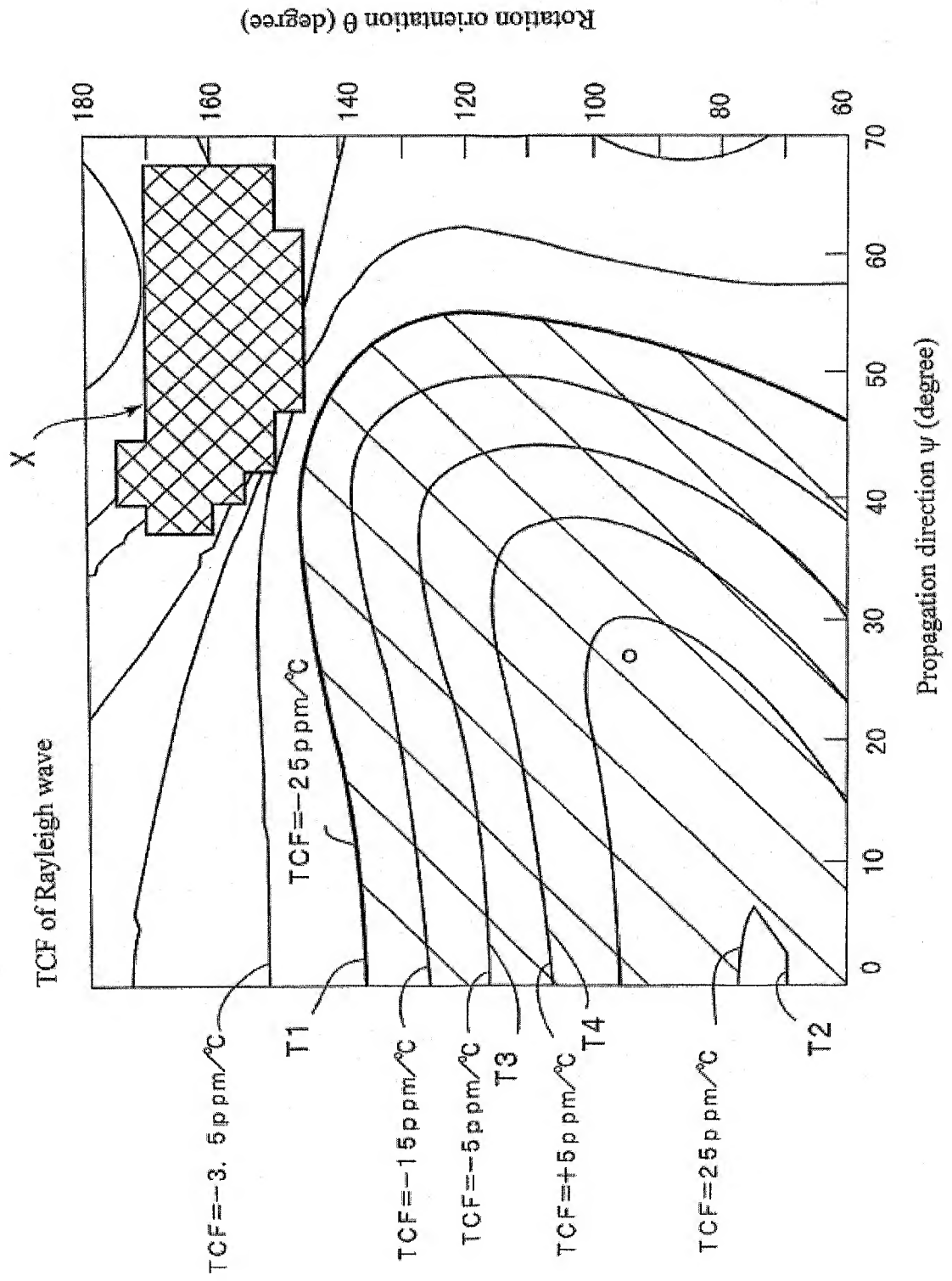


FIG. 8

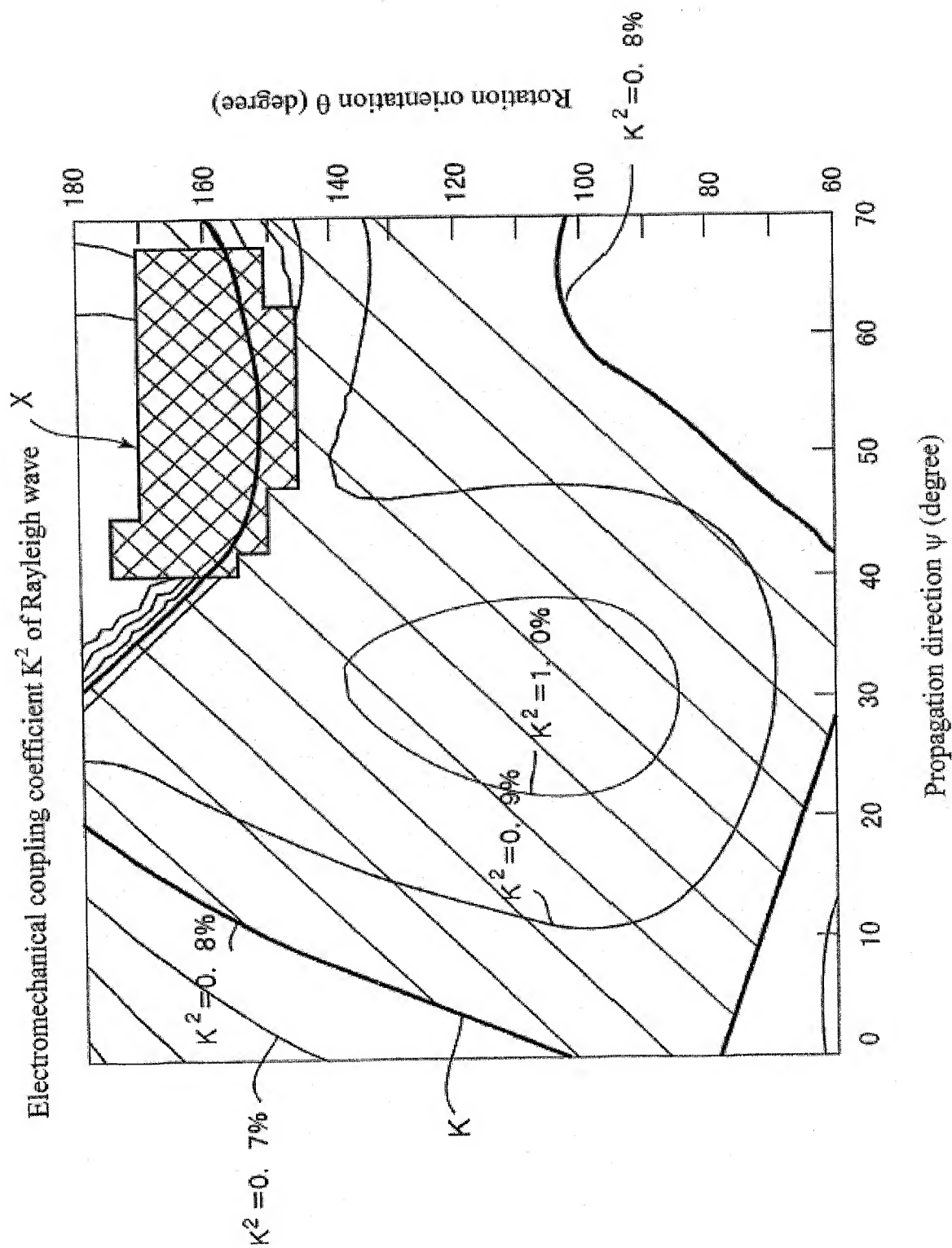


FIG. 9

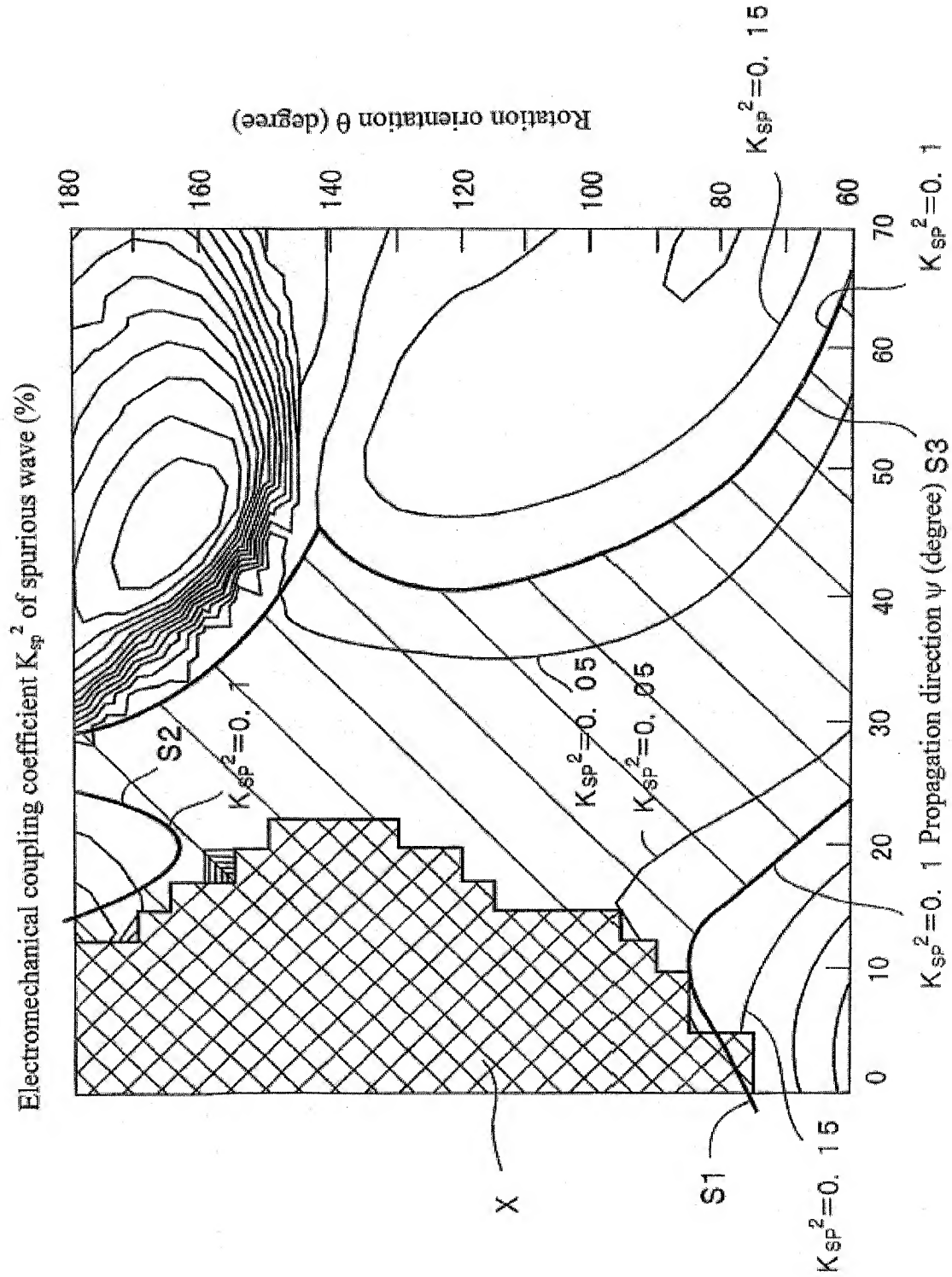




FIG. 10

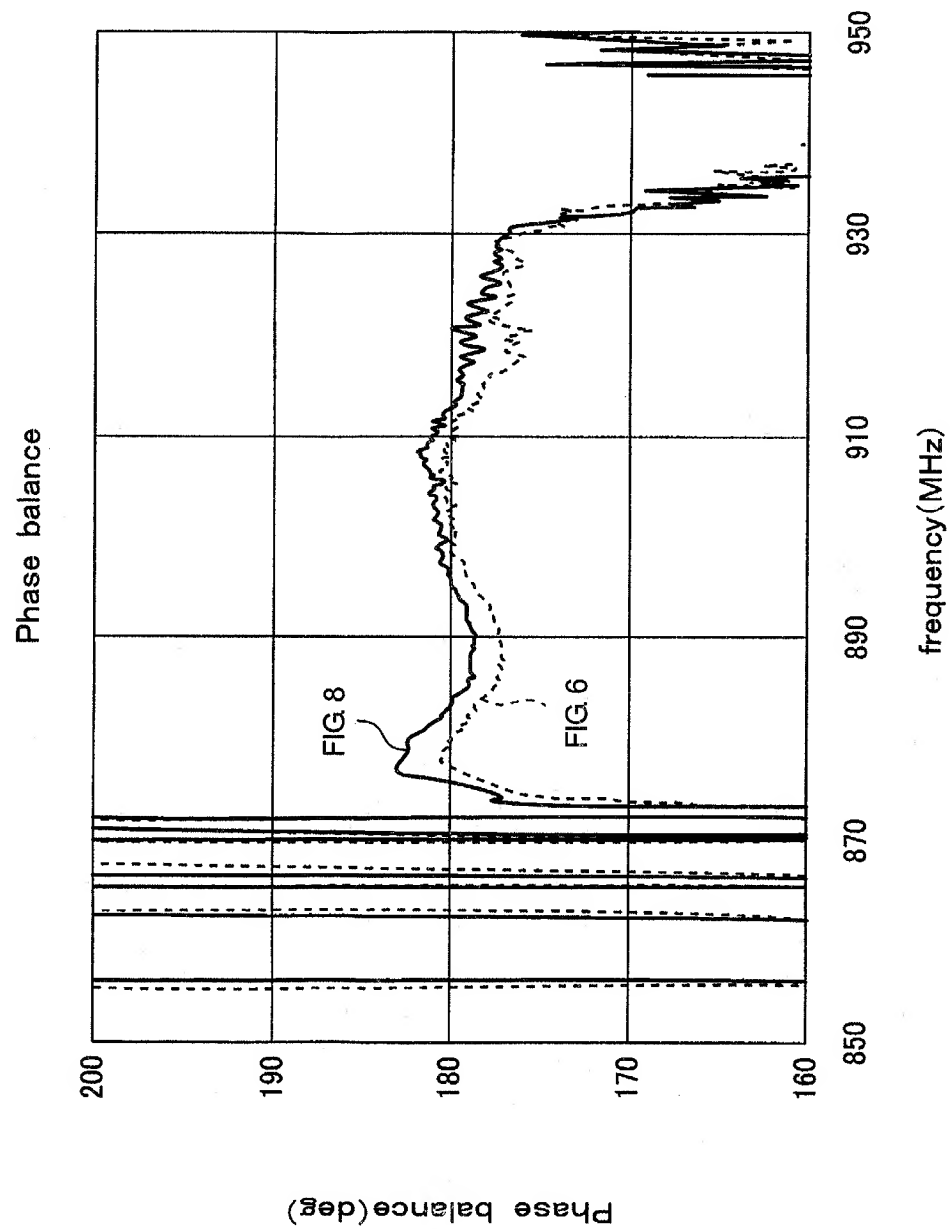




FIG. 11

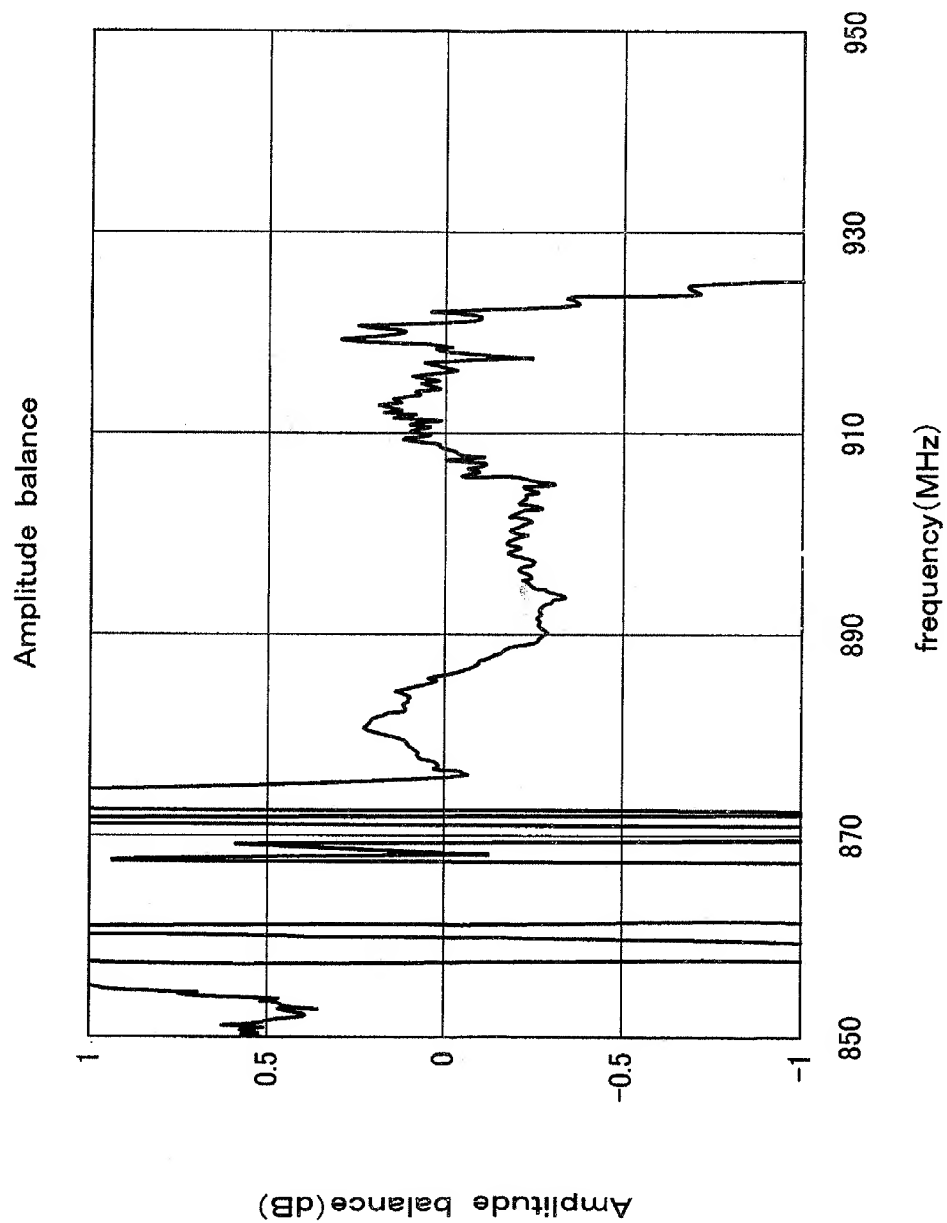




FIG. 12

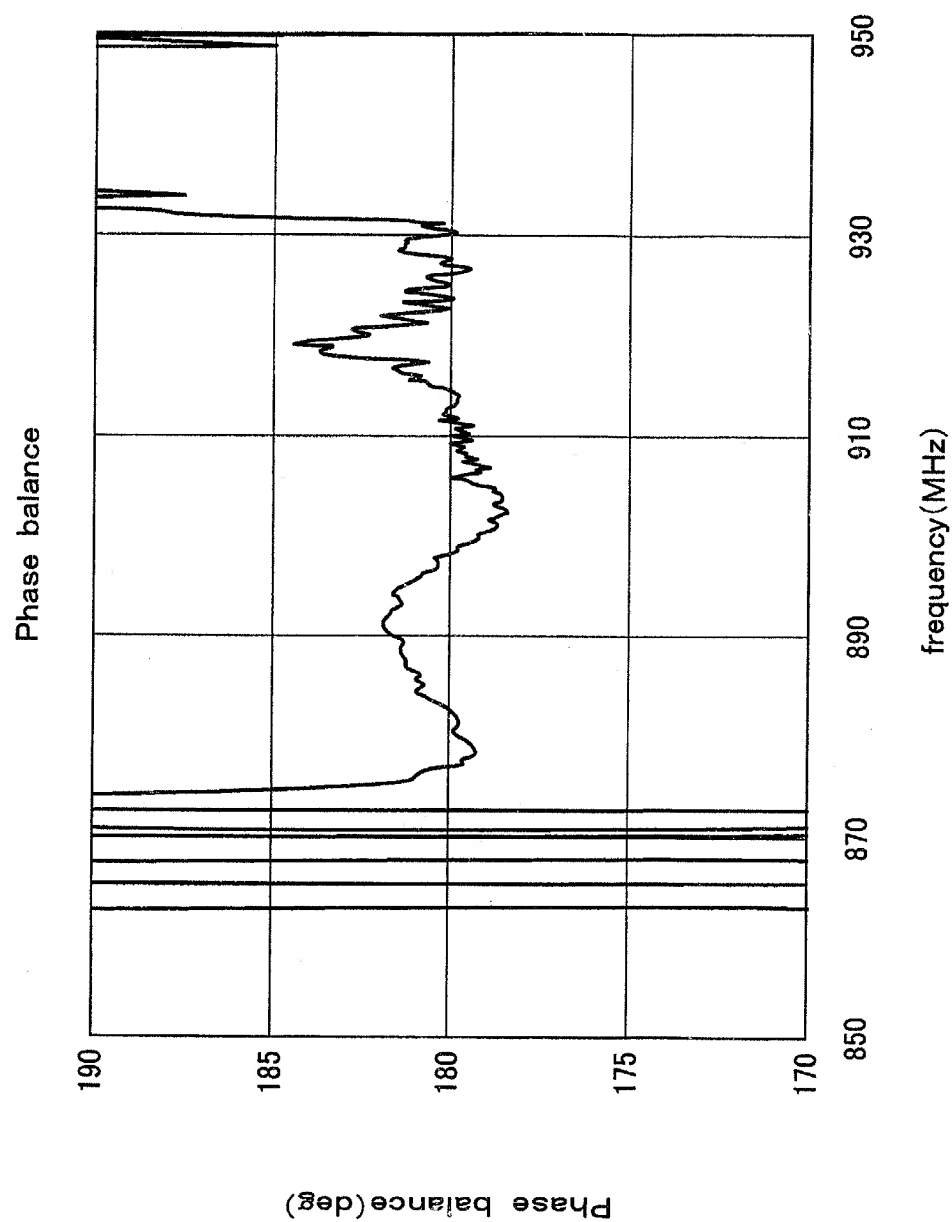


FIG. 13

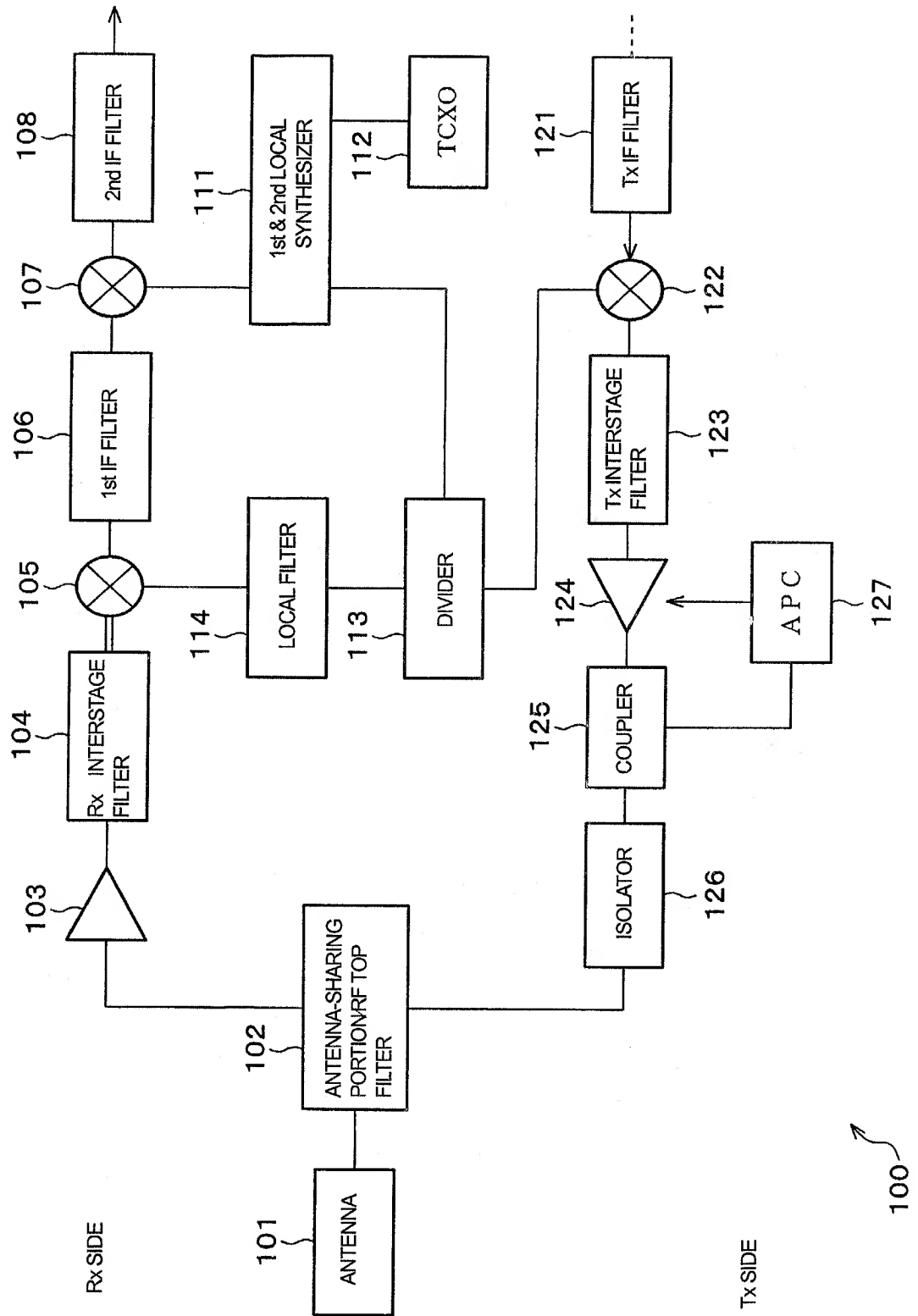


FIG. 14

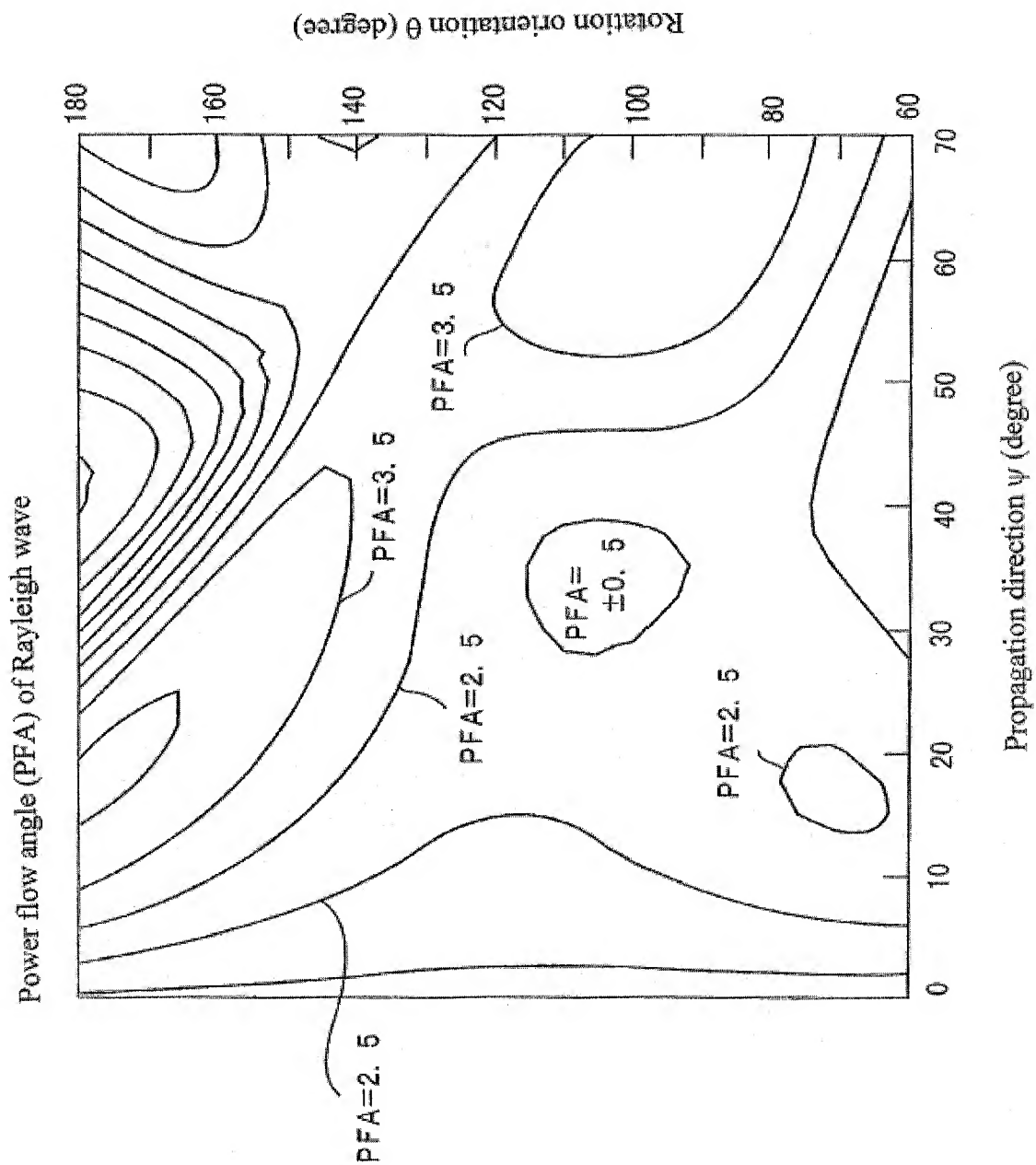


FIG.15

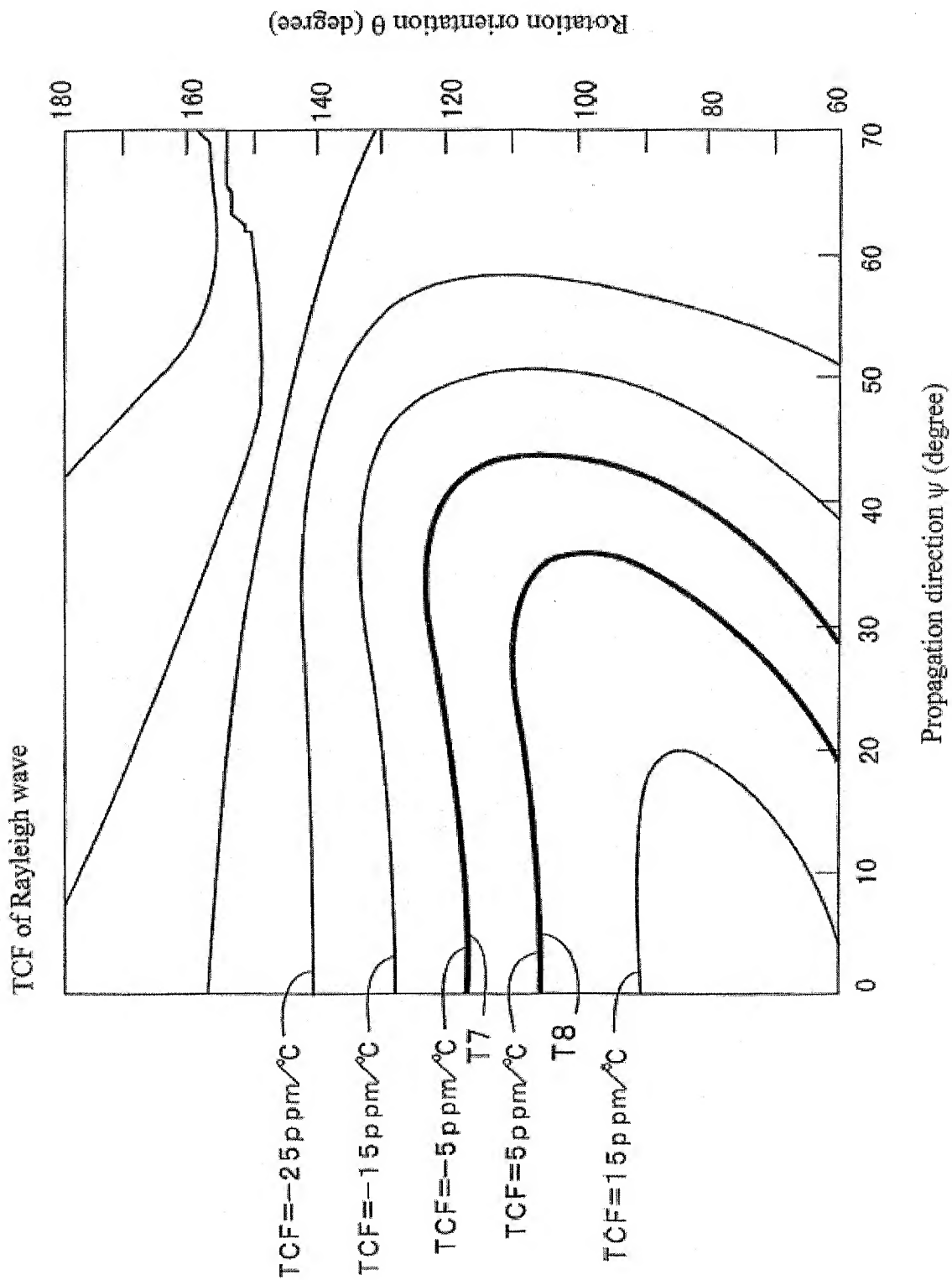
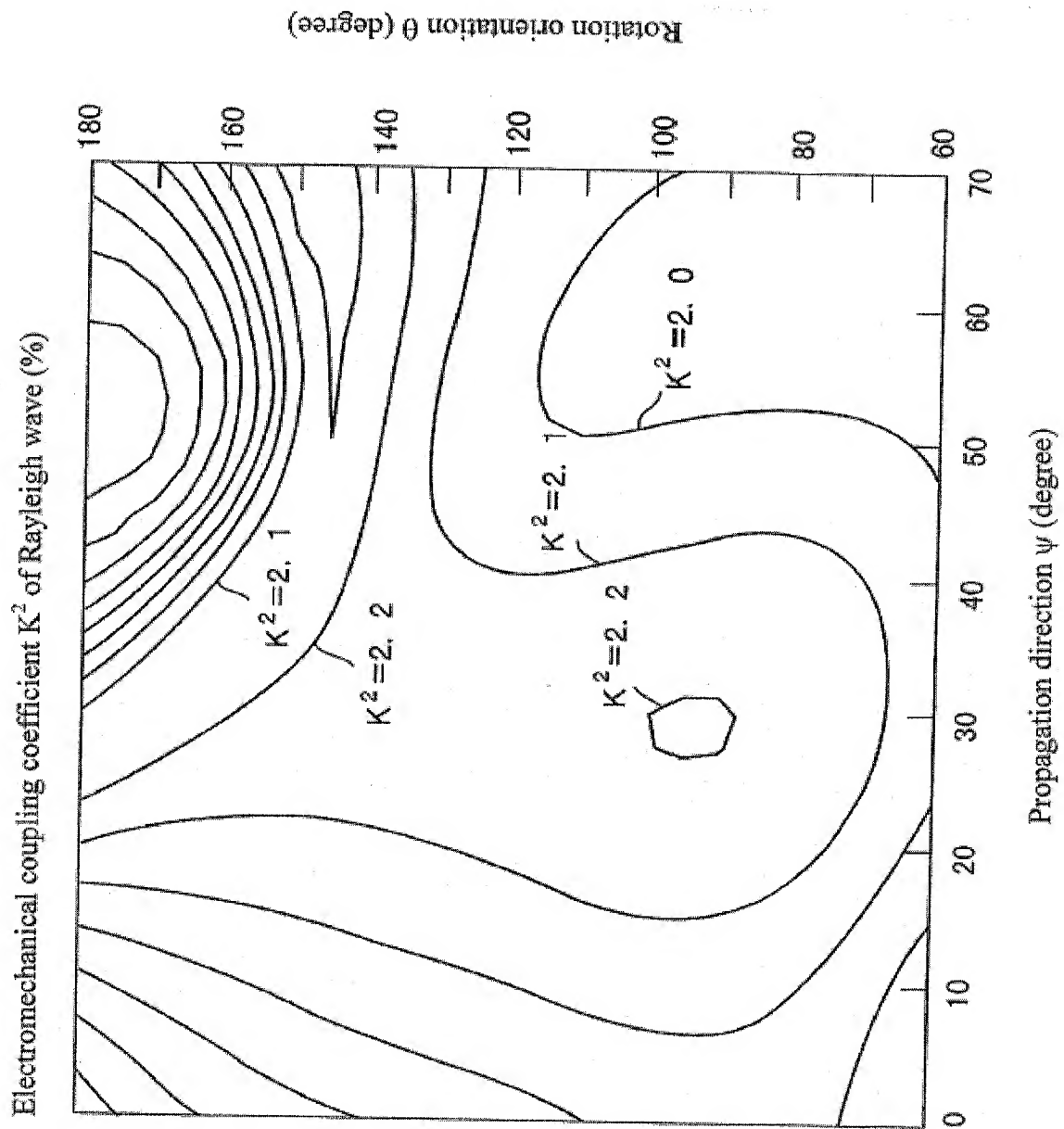


FIG. 16



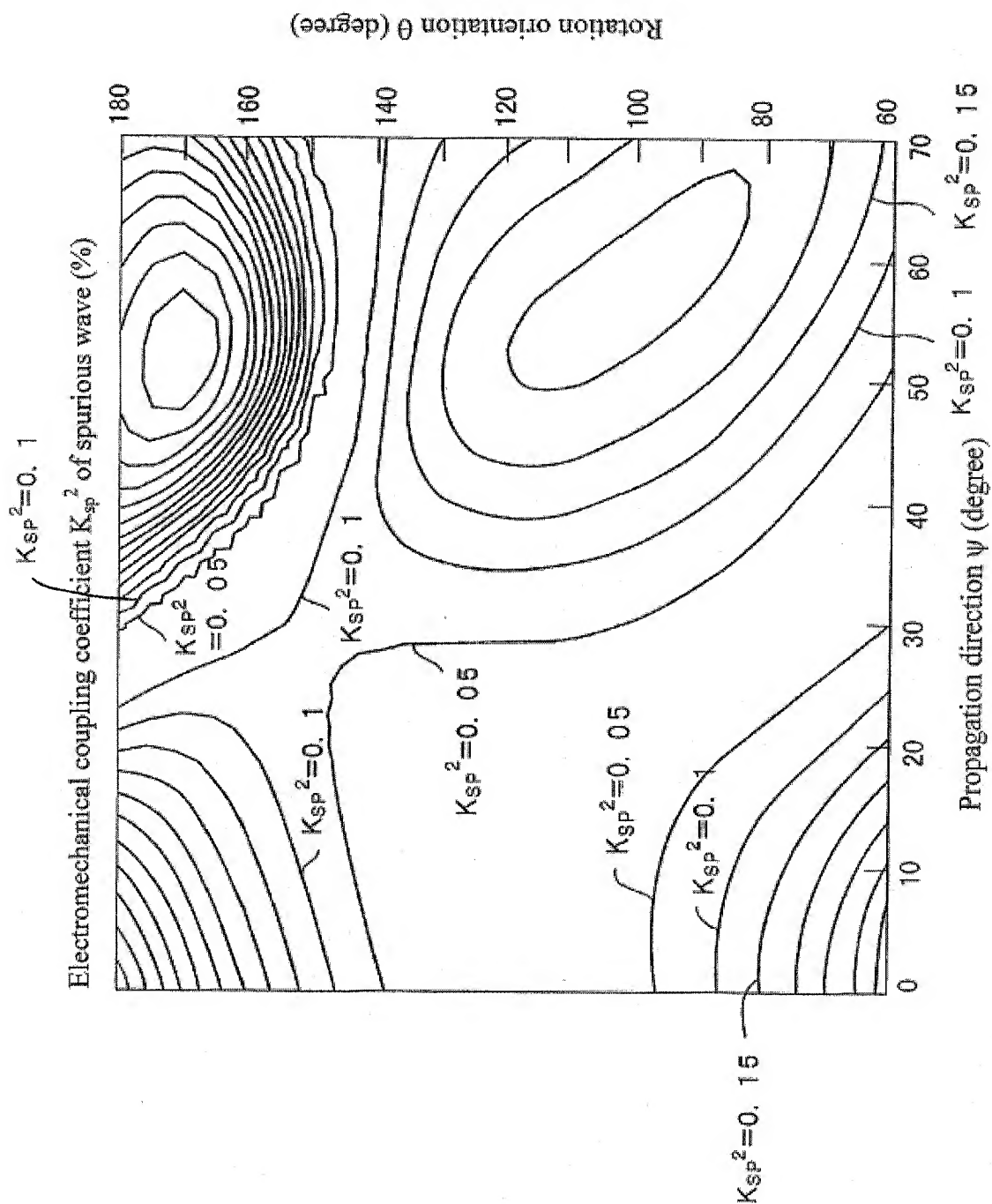


FIG. 18

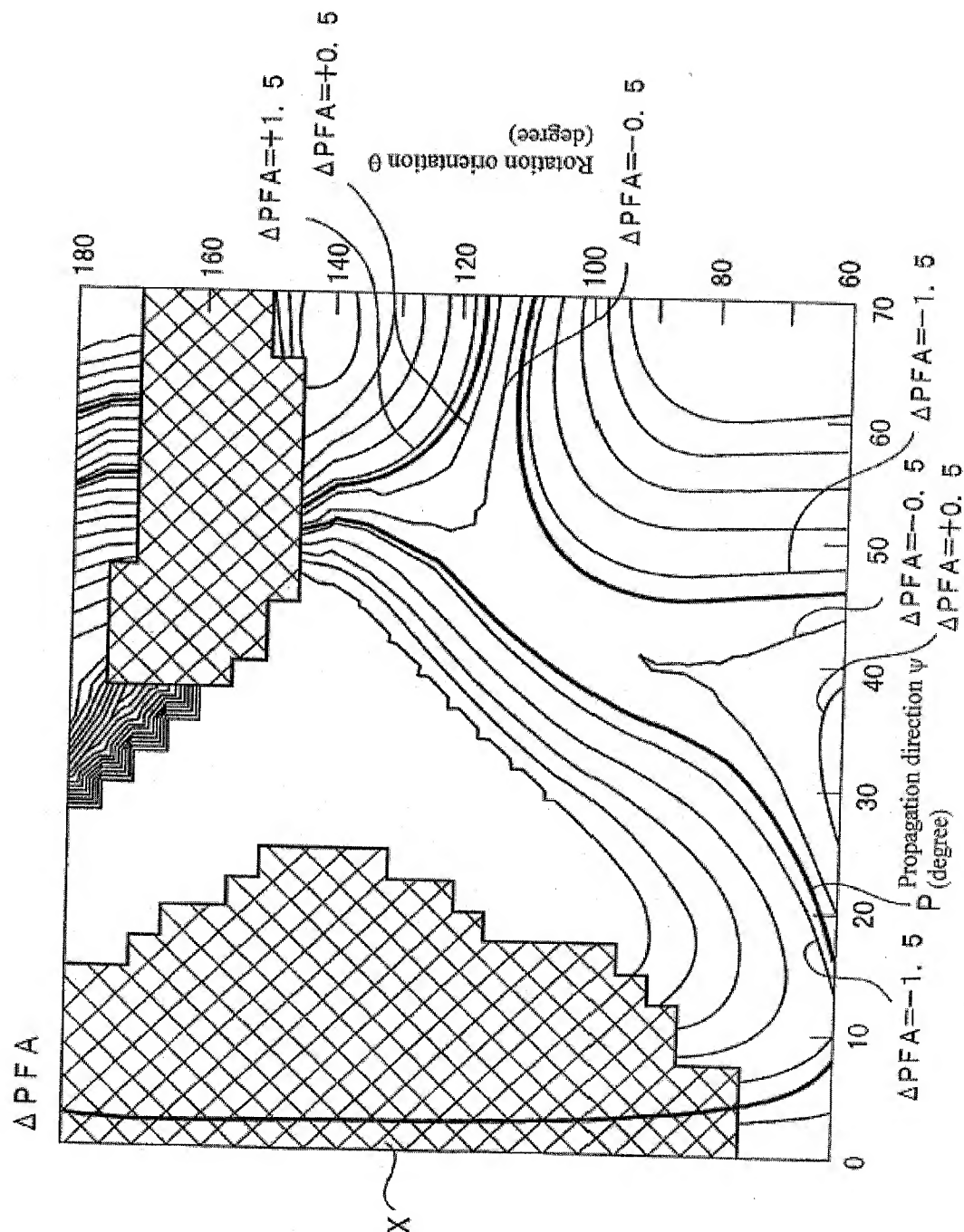


FIG. 19

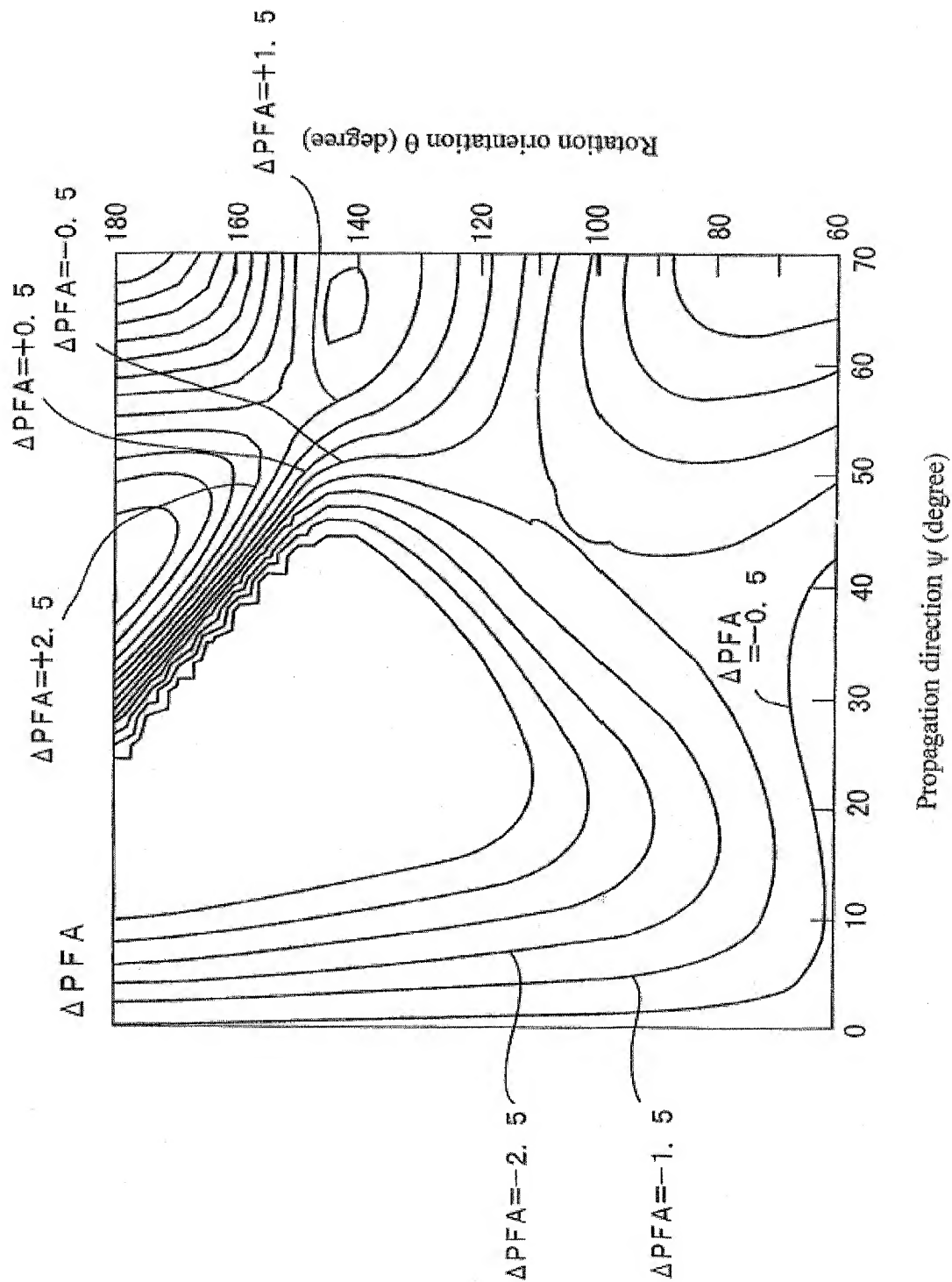


FIG. 20

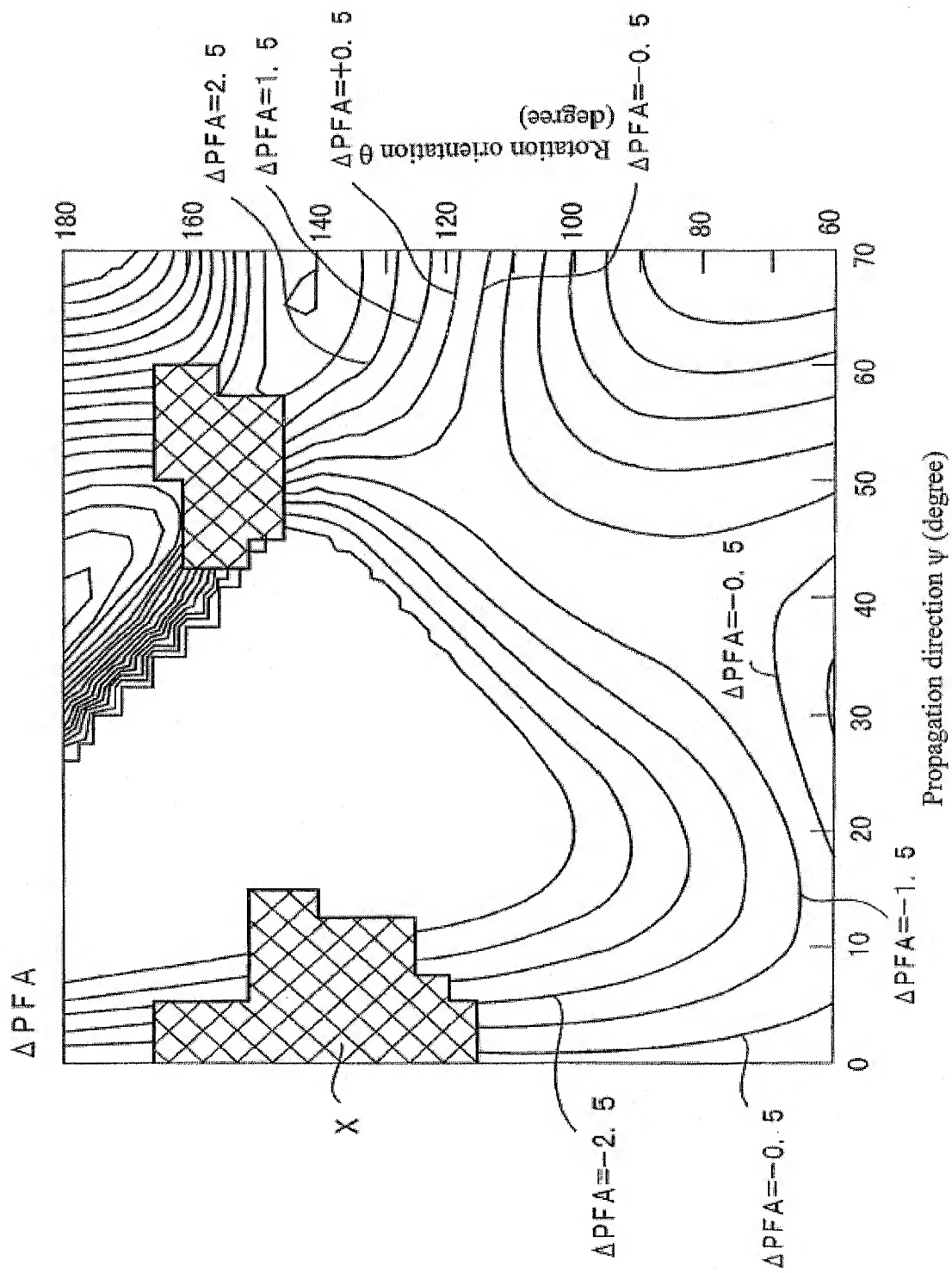


FIG. 21

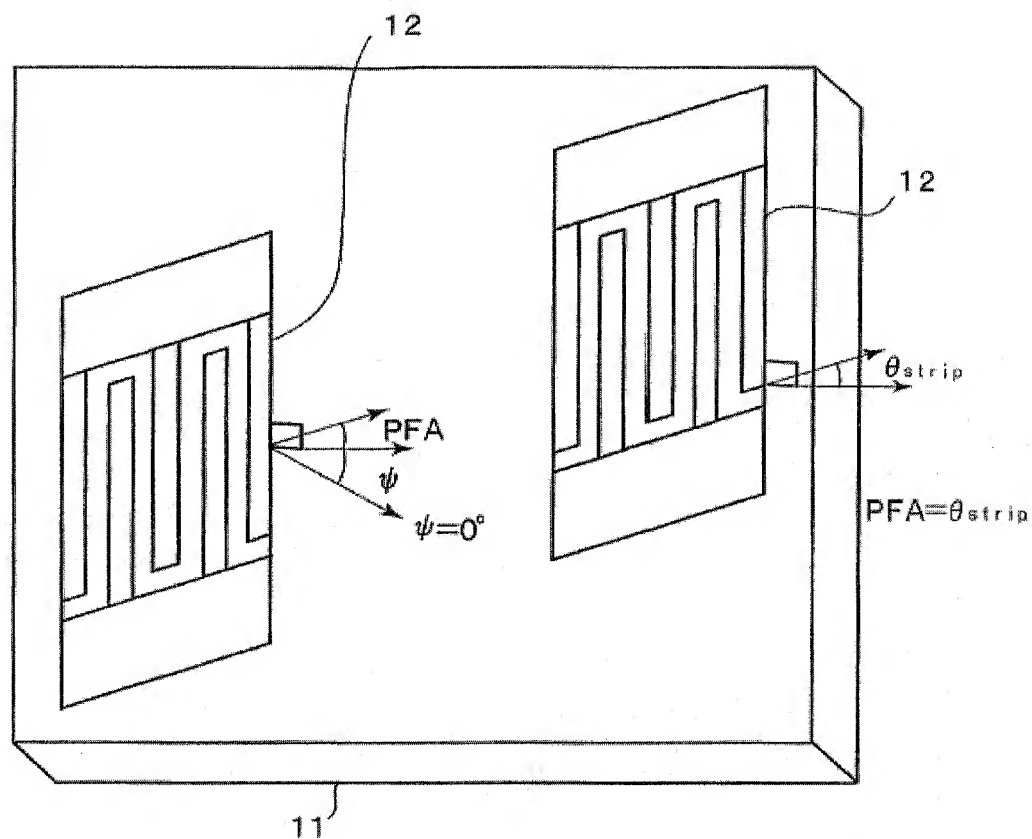


FIG. 22A
PRIOR ART

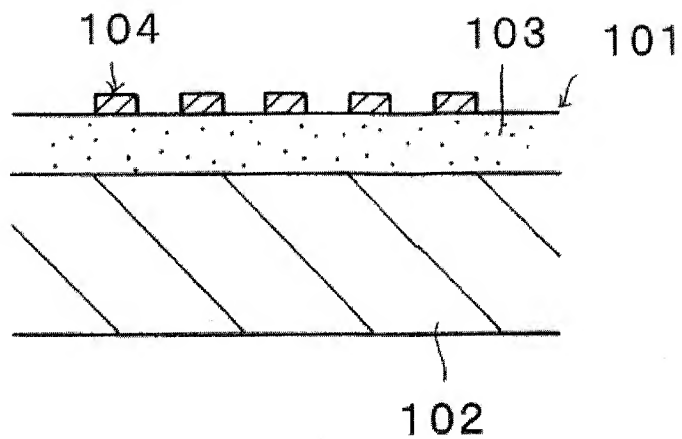


FIG. 22B
PRIOR ART

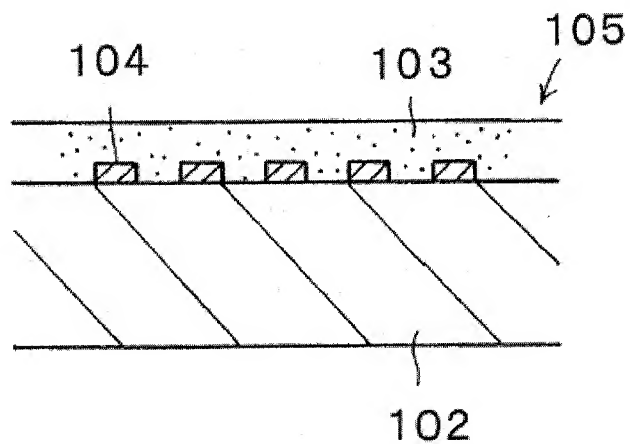


FIG. 23A
PRIOR ART

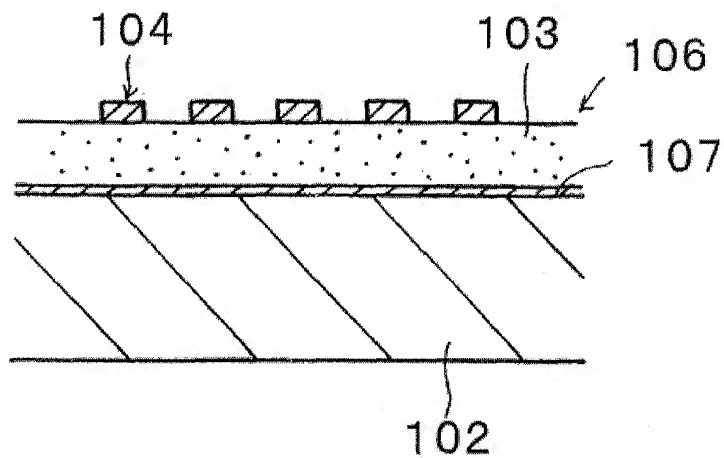


FIG. 23B
PRIOR ART

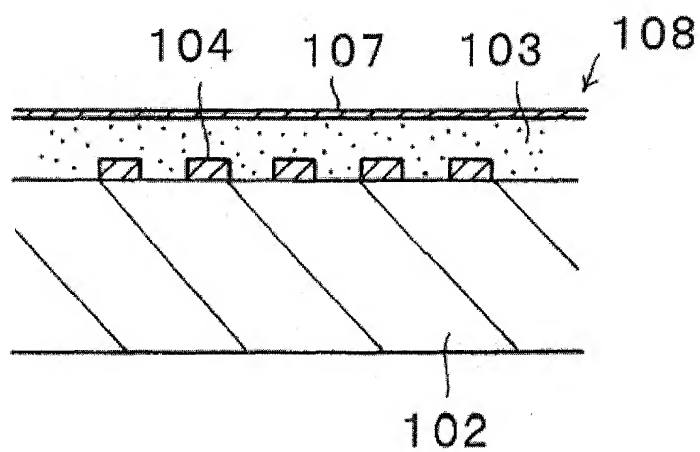


FIG. 24
PRIOR ART

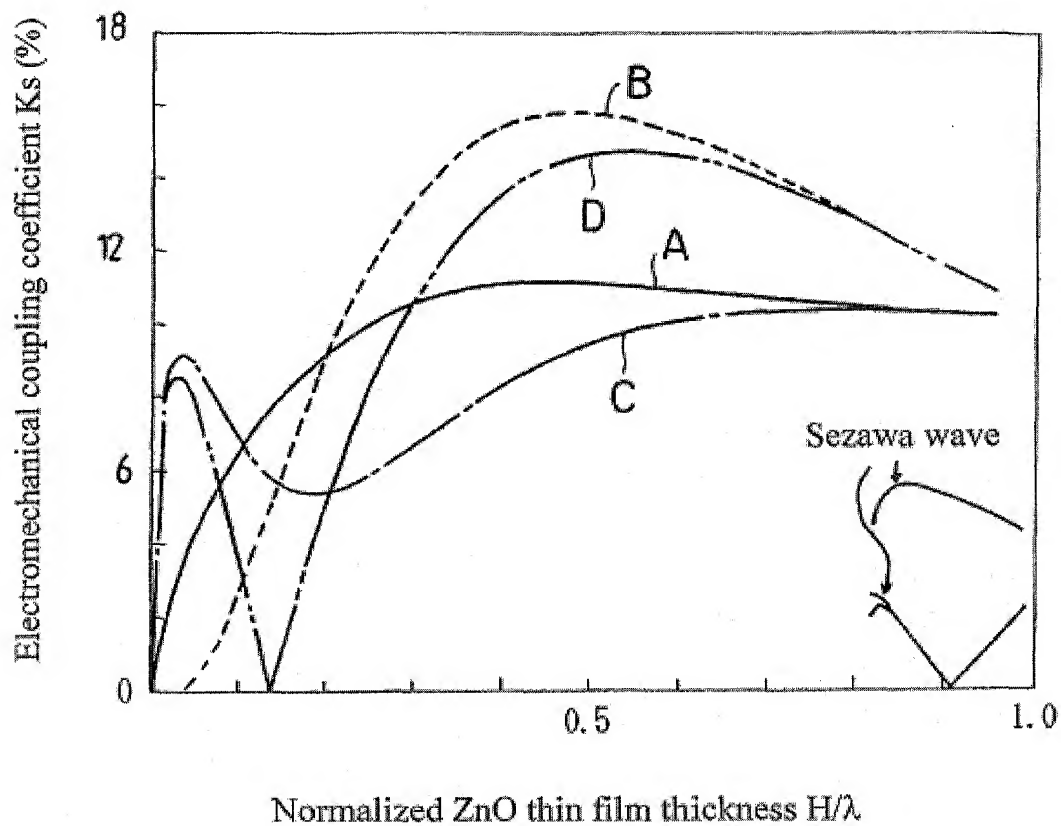


FIG. 25A
PRIOR ART

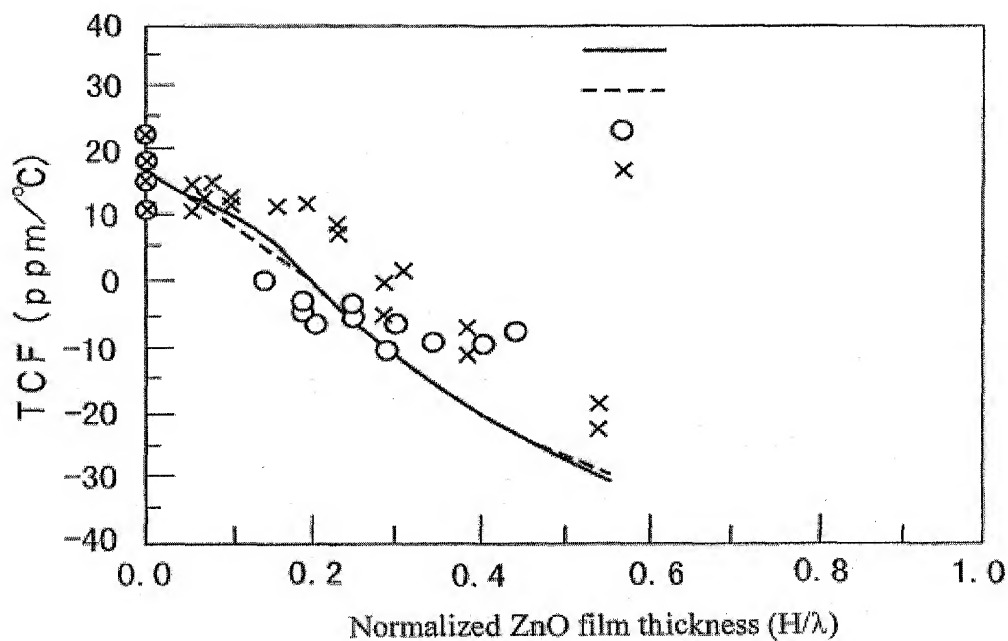


FIG. 25B
PRIOR ART

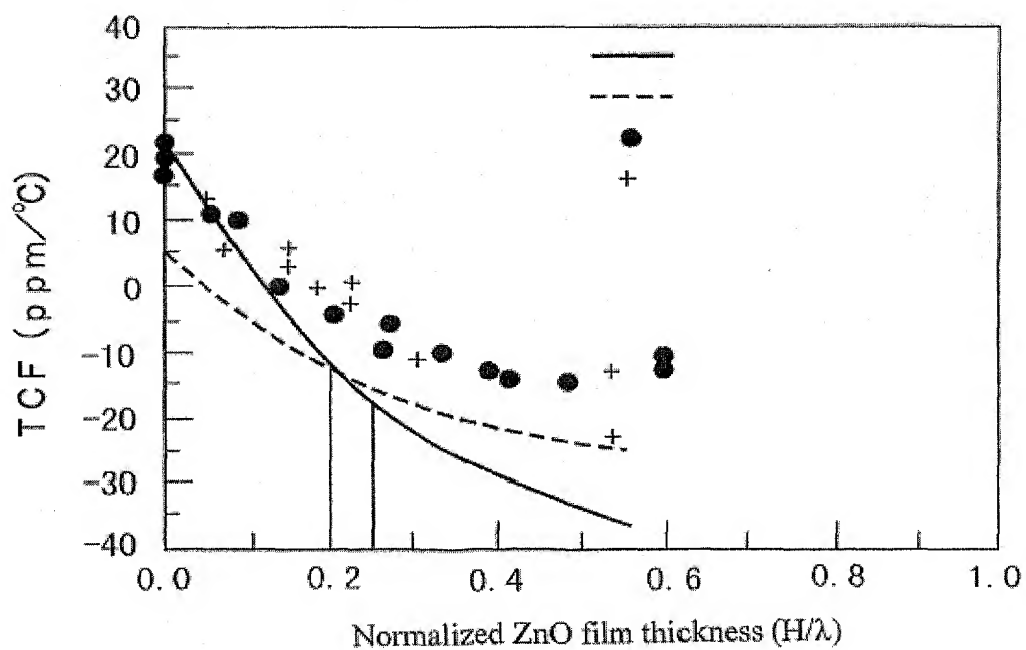


FIG. 26
PRIOR ART

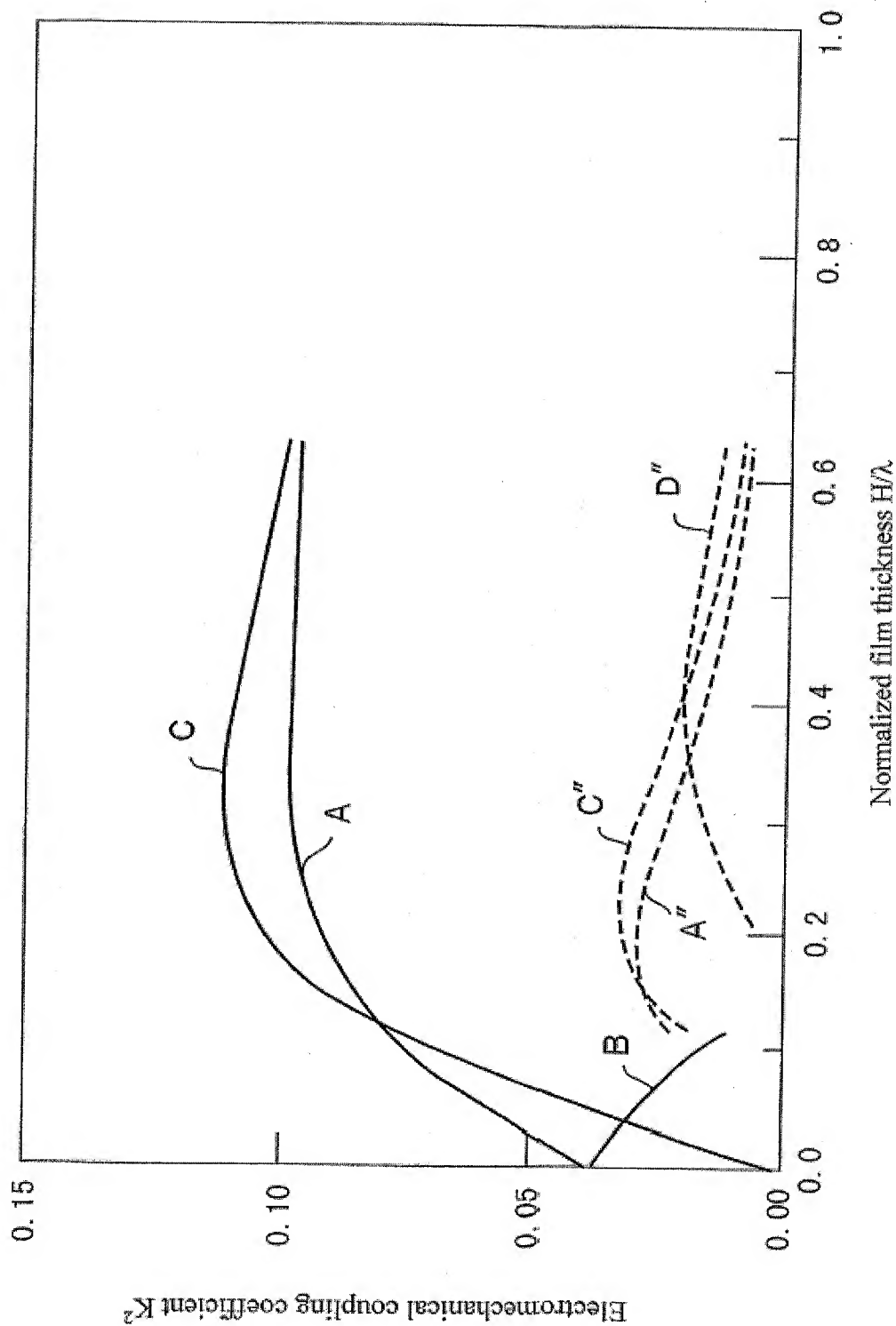


FIG. 27

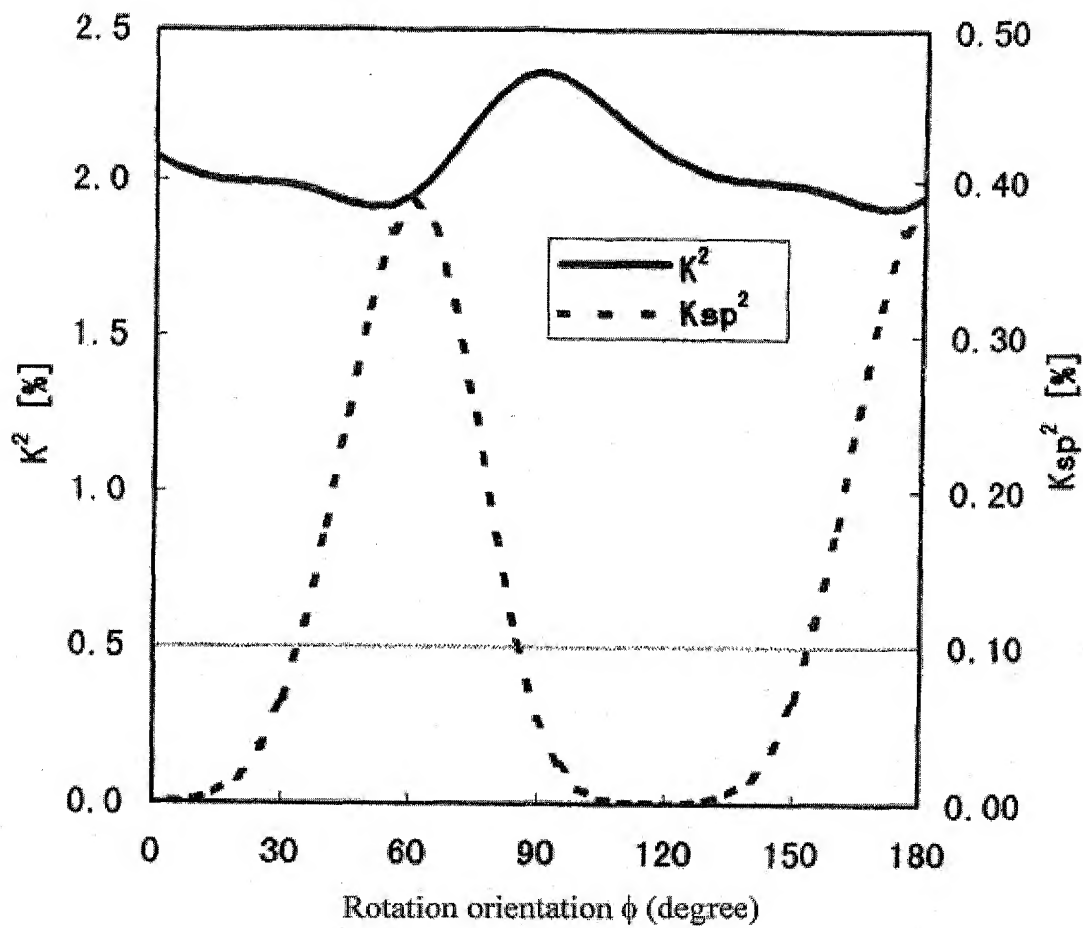




FIG. 28

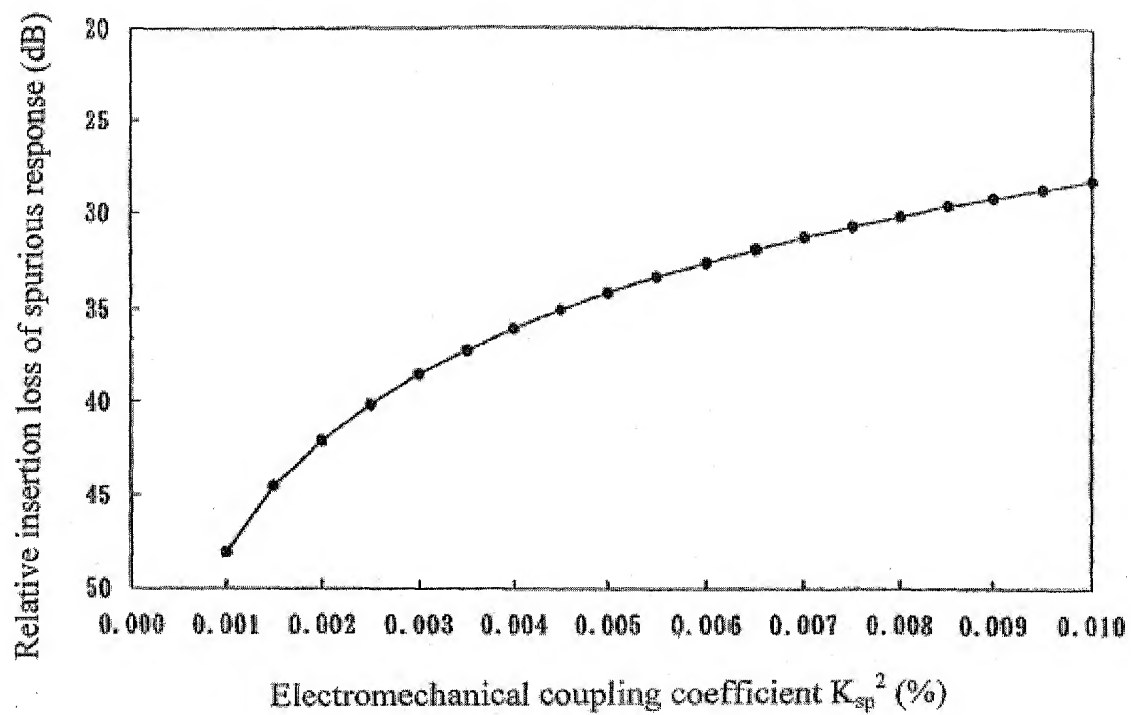


FIG. 29

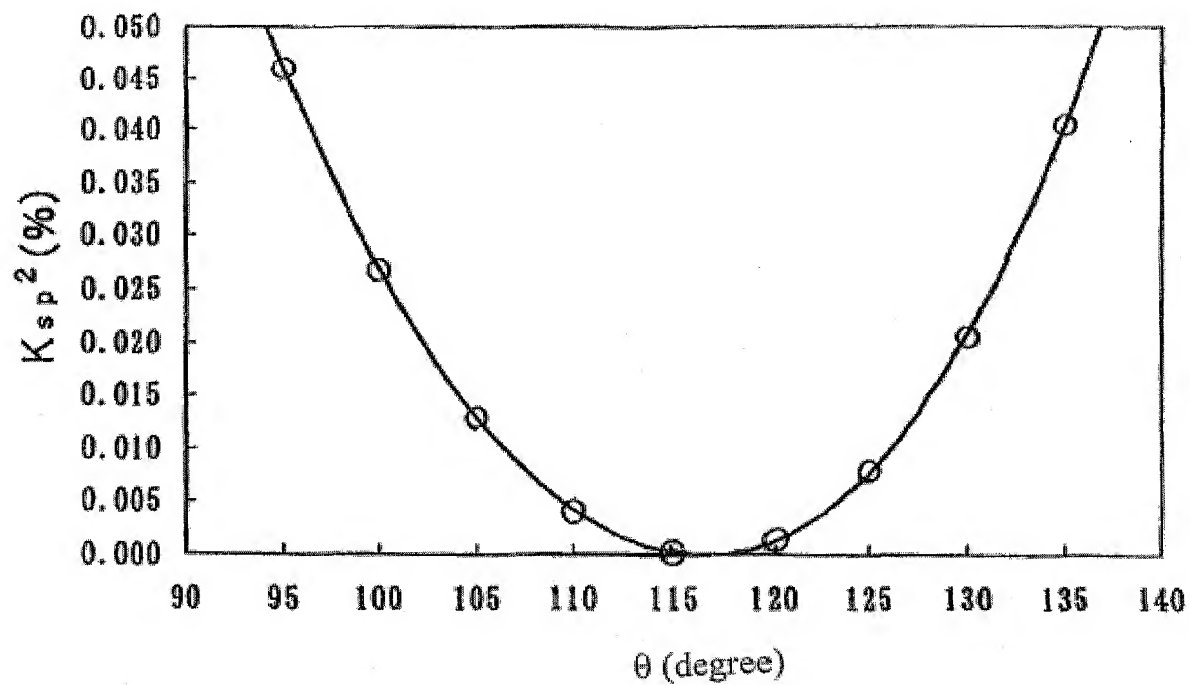


FIG. 30

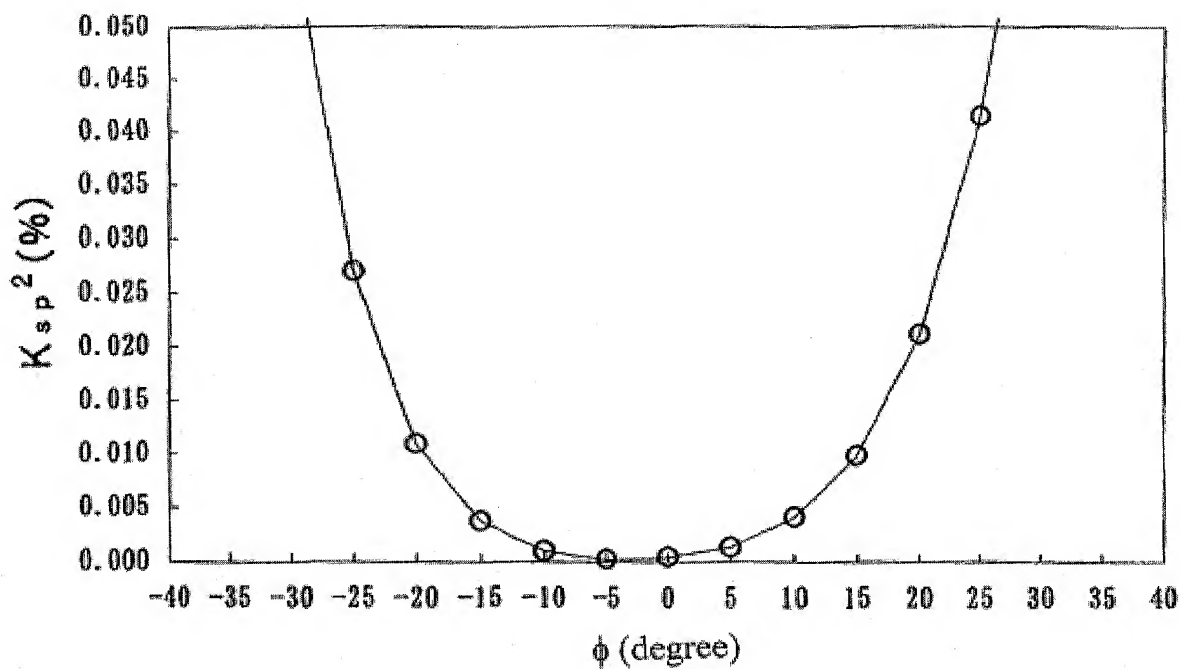


FIG. 31

